

Title (en)  
PORTABLE BREATH GAS AND VOLATILE SUBSTANCE ANALYZER

Title (de)  
TRAGBARES ATEMGAS UND ANALYSATOR FÜR FLÜCHTIGE SUBSTANZEN

Title (fr)  
ANALYSEUR DE GAZ ET DE SUBSTANCE VOLATILE D'HALEINE PORTATIF

Publication  
**EP 4057896 A4 20231108 (EN)**

Application  
**EP 20888309 A 20201113**

Priority

- TH 1901007189 A 20191114
- IB 2020060679 W 20201113

Abstract (en)  
[origin: WO2021094986A2] The present invention relates to a portable breath gas and volatile substance analyzer comprising a breath input portion for inputting the breath into the analyzer by blowing breath, a breath delivery portion connected to the breath input portion, a breath storage portion connected to the breath delivery portion, a sensor provided in the breath storage portion for detecting the breath, and a microcontroller connected to the sensor for receiving the breath data from the sensor to analyze the gas and volatile substance data.

IPC 8 full level  
**A61B 5/097** (2006.01); **G01N 33/497** (2006.01)

CPC (source: EP KR US)  
**A61B 5/0803** (2013.01 - KR); **A61B 5/082** (2013.01 - EP KR US); **A61B 5/097** (2013.01 - EP KR); **A61B 5/7264** (2013.01 - KR); **A61B 5/7267** (2013.01 - EP US); **G06N 3/08** (2013.01 - KR); **G16H 50/20** (2018.01 - KR US); **A61B 5/14532** (2013.01 - EP); **A61B 2560/0431** (2013.01 - EP KR US); **A61B 2560/0443** (2013.01 - US); **A61B 2562/0271** (2013.01 - EP KR US); **A61B 2562/029** (2013.01 - EP KR US)

Citation (search report)

- [I] US 2004077093 A1 20040422 - PAN LEE [US]
- [A] WO 2019074922 A1 20190418 - ENDO MEDICAL INC [US]
- [A] US 2017303822 A1 20171026 - ALLSWORTH MAX [GB], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2021094986 A2 20210520; WO 2021094986 A3 20210701**; AU 2020384947 A1 20220602; AU 2020384947 B2 20231012; CN 115038380 A 20220909; EP 4057896 A2 20220921; EP 4057896 A4 20231108; JP 2023501809 A 20230119; JP 7477606 B2 20240501; KR 20220126715 A 20220916; TW 202124936 A 20210701; TW I801772 B 20230511; US 2022409088 A1 20221229

DOCDB simple family (application)  
**IB 2020060679 W 20201113**; AU 2020384947 A 20201113; CN 202080080129 A 20201113; EP 20888309 A 20201113; JP 2022528349 A 20201113; KR 20227020014 A 20201113; TW 109139739 A 20201113; US 202017776964 A 20201113